

**RULE 63 (37 C.F.R. 1.63)**  
**INVENTOR'S DECLARATION FOR PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**A METHOD AND APPARATUS FOR OBTAINING A SCALAR VALUE DIRECTLY FROM A VECTOR REGISTER**

the specification of which (check applicable box(es)):

☐ is attached hereto

☒ was filed on

April 7, 2000

as U.S. Application Serial No. 09/545,182

(Atty Dkt. No. 723-840)

☐ was filed as PCT International application No. \_\_\_\_\_ on \_\_\_\_\_

and (if applicable to U.S. or PCT application) was amended on \_\_\_\_\_

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application:

Priority Foreign Application(s):

Application Number

Country

Day/Month/Year Filed

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

Application Number

Date/Month/Year Filed

I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below and, insofar as the subject matter of each of the claims of this application is not disclosed in such prior applications in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. 1.56 which occurred between the filing date of the prior applications and the national or PCT international filing date of this application:

Prior U.S./PCT Application(s):

Application Serial No.

Day/Month/Year Filed

**RECEIVED**

**FEB 26 2002**

Status: patented  
pending, abandoned

**Technology Center 2100**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereof, I hereby appoint **NIXON & VANDERHYE P.C., 1100 North Glebe Rd., 8<sup>th</sup> Floor, Arlington, VA 22201-4714, telephone number (703) 816-4000 (to whom all communications are to be directed)**, and the following attorneys thereof (of the same address) individually and collectively owner's/owners' attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent: Larry S. Nixon, 25640; Arthur R. Crawford, 25327; James T. Hosmer, 30184; Robert W. Faris, 31352; Richard G. Besh, 22770; Mark E. Nusbaum, 32348; Michael J. Keenan, 32106; Bryan H. Davidson, 30251; Stanley C. Spooner, 27393; Leonard C. Mitchard, 29009; Duane M. Byers, 33363; Jeffrey H. Nelson, 30481; John R. Lastova, 33149; H. Warren Burnam, Jr. 29366; Mary J. Wilson, 32955; J. Scott Davidson, 33489; Alan M. Kagen, 36178; Robert A. Molan, 29834; B. J. Sadoff, 36663; James D. Berquist, 34776; Updeep S. Gill, 37334; Michael J. Shea, 34725; Donald L. Jackson, 41090; Michelle N. Lester, 32331; Frank P. Presta, 19828; Joseph S. Presta, 35329; Joseph A. Rhoads, 37515; Raymond Y. Mah, 41426; Chris Comuntzis, 31097. I also authorize Nixon & Vanderhye to delete any attorney names/numbers no longer with the firm and to act and rely solely on instructions directly communicated from the person, assignee, attorney, firm, or other organization sending instructions to Nixon & Vanderhye on behalf of the owner(s).

1. Inventor's Signature: \_\_\_\_\_ Date: 7-2-2001

Inventor:

Yu-Chung  
(first)

C.  
MI

LIAO  
(last)

USA  
(citizenship)

Residence: (city)

Austin

(state/country)

Texas

Post Office Address:

10707 Lochness Cove, Austin, Texas

(Zip Code)

78750

2. Inventor's Signature: \_\_\_\_\_ Date: 6/25/2001

Inventor:

Peter  
(first)

A.  
MI

SANDON  
(last)

USA  
(citizenship)

Residence: (city)

Essex Junction

(state/country)

Vermont

Post Office Address:

4 Lang Drive, Essex Junction, Vermont

(Zip Code)

05452

FOR ADDITIONAL INVENTORS, check box ☒ and attach sheet with same information and signature and date for each.

3. Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Inventor: Howard CHENG  
(first) (last)  
MI (state/country) USA  
(citizenship)  
Residence: (city) Sammamish Washington  
Post Office Address: 2005 212th. PL NE, Redmond, Washington  
(Zip Code) 98053
4. Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Inventor: Timothy J.. VAN HOOK  
(first) (last)  
MI (state/country) California  
(citizenship)  
Residence: (city) Atherton  
Post Office Address: 224 Oak Grove Ave., Atherton, California  
(Zip Code) 94027
5. Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Inventor: \_\_\_\_\_  
(first) MI (last) (citizenship)  
Residence: (city) (state/country)  
Post Office Address: , ,  
(Zip Code)
6. Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Inventor: \_\_\_\_\_  
(first) MI (last) (citizenship)  
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☒ was filed on April 7, 2000 as U.S. Application Serial No. 09/545,182 (Atty Dkt. No. 723-840)  
☐ was filed as PCT International application No. \_\_\_\_\_ on \_\_\_\_\_  
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**FEB 26 2002**

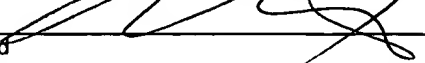
Status: patented  
pending, abandoned

**Technology Center 2100**

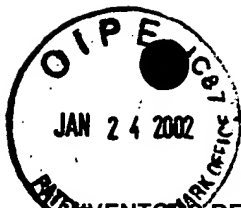
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereof, I hereby appoint **NIXON & VANDERHYE P.C., 1100 North Glebe Rd., 8<sup>th</sup> Floor, Arlington, VA 22201-4714, telephone number (703) 816-4000 (to whom all communications are to be directed)**, and the following attorneys thereof (of the same address) individually and collectively owner's/owners' attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent: Larry S. Nixon, 25640; Arthur R. Crawford, 25327; James T. Hosmer, 30184; Robert W. Faris, 31352; Richard G. Besha, 22770; Mark E. Nusbaum, 32348; Michael J. Keenan, 32106; Bryan H. Davidson, 30251; Stanley C. Spooner, 27393; Leonard C. Mitchard, 29009; Duane M. Byers, 33363; Jeffrey H. Nelson, 30481; John R. Lastova, 33149; H. Warren Burnam, Jr. 29366; Mary J. Wilson, 32955; J. Scott Davidson, 33489; Alan M. Kagen, 36178; Robert A. Molan, 29834; B. J. Sadoff, 36663; James D. Berquist, 34776; Updeep S. Gill, 37334; Michael J. Shea, 34725; Donald L. Jackson, 41090; Michelle N. Lester, 32331; Frank P. Presta, 19828; Joseph S. Presta, 35329; Joseph A. Rhoads, 37515; Raymond Y. Mah, 41426; Chris Comuntzis, 31097. I also authorize Nixon & Vanderhye to delete any attorney names/numbers no longer with the firm and to act and rely solely on instructions directly communicated from the person, assignee, attorney, firm, or other organization sending instructions to Nixon & Vanderhye on behalf of the owner(s).

1.	Inventor's Signature:	_____	Date:	_____
	Inventor:	Yu-Chung C. LIAO (first) MI (last)		USA (citizenship)
	Residence: (city)	Austin (state/country)	Texas	
	Post Office Address:	10707 Lochness Cove, Austin, Texas		
	(Zip Code)	78750		
2.	Inventor's Signature:	_____	Date:	_____
	Inventor:	Peter A. SANDON (first) MI (last)		USA (citizenship)
	Residence: (city)	Essex Junction (state/country)	Vermont	
	Post Office Address:	4 Lang Drive, Essex Junction, Vermont		
	(Zip Code)	05452		

FOR ADDITIONAL INVENTORS, check box ☒ and attach sheet with same information and signature and date for each.

3. Inventor's Signature:  Date: 1/3/2002  
Inventor: Howard MI CHENG USA  
(first) (last) (citizenship)  
Residence: (city) Sammamish (state/country) Washington  
Post Office Address: 2005 212th. PL NE, Redmond, Washington  
(Zip Code) 98053
4. Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Inventor: Timothy J.. VAN HOOK USA  
(first) (last) (citizenship)  
Residence: (city) Atherton (state/country) California  
Post Office Address: 224 Oak Grove Ave., Atherton, California  
(Zip Code) 94027
5. Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Inventor: \_\_\_\_\_  
(first) MI (last) (citizenship)  
Residence: (city) \_\_\_\_\_ (state/country) \_\_\_\_\_  
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(Zip Code) \_\_\_\_\_
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Inventor: \_\_\_\_\_  
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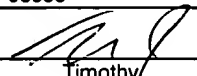
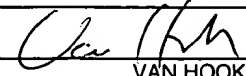
**FEB 26 2002**

Status: patented  
pending, abandoned

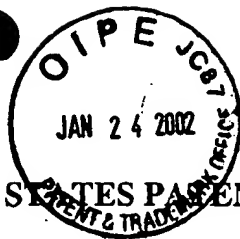
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	Inventor:	Yu-Chung	C.	LIAO	USA	
		(first)	MI	(last)	(citizenship)	
	Residence: (city)	Austin	(state/country)		Texas	
	Post Office Address:	10707 Lochness Cove, Austin, Texas				
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2.	Inventor's Signature:				Date:	
	Inventor:	Peter	A.	SANDON	USA	
		(first)	MI	(last)	(citizenship)	
	Residence: (city)	Essex Junction	(state/country)		Vermont	
	Post Office Address:	4 Lang Drive, Essex Junction, Vermont				
	(Zip Code)	05452				

FOR ADDITIONAL INVENTORS, check box ☒ and attach sheet with same information and signature and date for each.

3. Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Inventor: Howard CHENG USA  
(first) (last) (citizenship)  
MI (state/country)  
Residence: (city) Sammamish Washington  
Post Office Address: 2005 212th. PL NE, Redmond, Washington  
(Zip Code) 98053
4. Inventor's Signature:   Date: 4/13/01  
Inventor: Timothy J. VAN HOOK USA  
(first) (last) (citizenship)  
MI (state/country)  
Residence: (city) Atherton California  
Post Office Address: 224 Oak Grove Ave., Atherton, California  
(Zip Code) 94027
5. Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Inventor: \_\_\_\_\_  
(first) MI (last) (citizenship)  
Residence: (city) (state/country)  
Post Office Address: \_\_\_\_\_  
(Zip Code)
6. Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Inventor: \_\_\_\_\_  
(first) MI (last) (citizenship)  
Residence: (city) (state/country)  
Post Office Address: \_\_\_\_\_  
(Zip Code)

FOR ADDITIONAL INVENTORS, check box ☐ and attach sheet with same information and signature and date for each.



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

LIAO et al.

Atty. Ref.: 723-840

Serial No. 09/545,182

Group Art Unit:

Filed: April 7, 2000

Examiner:

For: A METHOD AND APPARATUS FOR OBTAINING A SCALAR  
VALVE DIRECTLY FROM A VECTOR REGISTRAR

\* \* \* \* \*

Assistant Commissioner for Patents  
Washington, DC 20231

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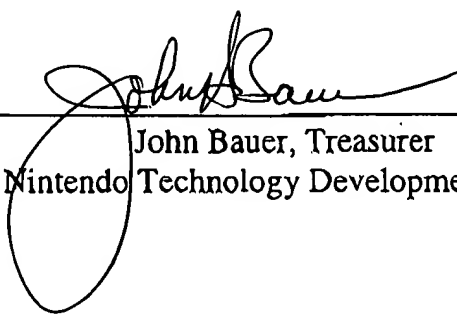
Sir:

Technology Center 2100

CONSENT

Nintendo Technology Development Inc., does hereby give consent to the addition  
of Tim Van Hook as an inventor on the U.S. patent application number 09/545,182.

Nintendo Technology Development Inc. received assignment from inventor  
Howard Cheng.

Date: 1/15/02  
John Bauer, Treasurer  
Nintendo Technology Development Inc.

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

LIAO et al.

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For: A METHOD AND APPARATUS FOR OBTAINING A SCALAR  
VALVE DIRECTLY FROM A VECTOR REGISTRAR

\* \* \* \* \*

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

**RECEIVED****FEB 26 2002****Technology Center 2100****CONSENT**

International Business Machines Corporation does hereby give consent to the  
addition of Tim Van Hook as an inventor on the U.S. patent application number  
09/545,182.

International Business Machines Corporation received assignment from inventors  
Yu-Chung Liao and Peter Sandon.

Date: 1-15-02  
International Business Machines Corporation



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

LIAO et al.

Serial No. 09/545,182

Filed: April 7, 2000

For: A METHOD AND APPARATUS FOR OBTAINING A SCALAR  
VALUE DIRECTLY FROM A VECTOR REGISTER

\* \* \* \* \*

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:



Atty. Ref.: 723-840

Group Art Unit:

Examiner:

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Technology Center 2100

INVENTOR STATEMENT

Tim Van Hook, as the person being added as an inventor, does hereby declare that the error in inventorship occurred without deceptive intention on his part in the filing of U.S. patent application number 09/545,182.

Date: 4/13/01

  
Tim Van Hook  
Inventor

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

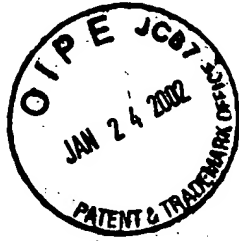
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Group Art Unit:

Examiner:

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

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**FEB 26 2002**

**Technology Center 2100**

**CONSENT**

Nintendo Co., Ltd., does hereby give consent to the addition of Tim Van Hook as  
an inventor on the U.S. patent application number 09/545,182.

Nintendo Co., Ltd. received assignment from Nintendo Technology Development  
Inc.

Date: May 14, 2001

*Shio Tsuy*  
Nintendo Co., Ltd.